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Imagery analysis report

Probable Strategic Cruise Missile Under Development at Ivankovskiy Guided Missile Plant, USSR (TSR)

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PROBABLE STRATEGIC CRUISE MISSILE UNDER DEVELOPMENT AT IVANKOVSKIY GUIDED MISSILE PLANT, USSR (TSR)

1 [redacted] A probable strategic air-launched cruise missile (ALCM) is under development at Ivankovskiy Guided Missile Plant [redacted] Figure 1), USSR, the location of the Bereznyak design bureau, which is known to design cruise missiles.[1] This assessment is suggested by recent significant activity observed at the plant, including a major modification of the propulsion test building, the construction of fabrication and engineering buildings, and the appearance of RD-3M jet engine crates. 25X1 25X1

2. (TSR) Modification of the propulsion test building, which had been used earlier for the testing of air-breathing engines, was underway by July 1978. By July 1979, an exhaust stack and a diffuser tube were nearly complete on the blast apron which extends west from the test bay of the propulsion test building (Figure 2). The diffuser tube, which cools and ejects exhaust in an aircraft engine test cell, had not been connected to the building at that time. The diffuser tube is [redacted] in diameter and, as of May 1979, 18 meters long. The exhaust stack is 24 meters high by approximately 5 meters square. The presence of these structures at this facility indicates that a large engine will be tested at the plant. 25X1

3. (TSR) On imagery of July 1978, four RD-3M jet engine crates were observed at the plant for the first time (Figure 3). The crates are [redacted] long by [redacted] wide. The RD-3M engine is the propulsion unit for the Tupolev-designed BADGER, BLINDER, CAMEL, and COOKER aircraft, and for the Myasishchev-designed BISON.[2] 25X1

4. (TSR) In addition to this recent activity, major construction has been underway within the western portion of the plant since May 1975. In 1975, an administration/engineering building and an associated fabrication/assembly building were under construction (Figure 1). The administration/engineering building was complete by September 1976, and the fabrication/assembly building was externally complete by August 1978.

5. (TSR) A possible test facility or laboratory was observed in a very early stage of construction in May 1979 (Figure 1). Footings for the building had been partially constructed by August 1979. They define an area of approximately 2,600 square meters. The footings are immediately south-southeast of the environmental test building at the plant. Numerous support buildings have also been recently constructed or are presently under construction in this area and throughout the western portion of the plant.

6. [redacted] This major construction indicates that a new missile is under development. The observation of the RD-3M engine crates and the newly modified propulsion test building, where a modified RD-3M engine could be developmentally tested, along with the previous development of ALCMs by the Bereznyak design bureau,[1] indicates that a new strategic ALCM using a modified RD-3M engine is probably under development at the Ivankovskiy plant. 25X1

REFERENCES

IMAGERY

(TSR) All applicable imagery acquired through [redacted] was used in the preparation of this report. 25X1

DOCUMENTS

1. NPIC, [redacted] RCA-09/0036/78, *Ivankovskiy Guided Missile Plant (S)*, Nov 78 (TOP SECRET [redacted] 25X1
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2. NPIC, [redacted] PIR-009/73, *Soviet Missile and Aircraft Shipping Containers*, Apr 73 (TOP SECRET [redacted] 25X1
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(S) Comments and queries regarding this report are welcome. They may be directed to [redacted] Soviet Strategic Forces Division, Imagery Exploitation Group, NPIC, [redacted] 25X1 25X1

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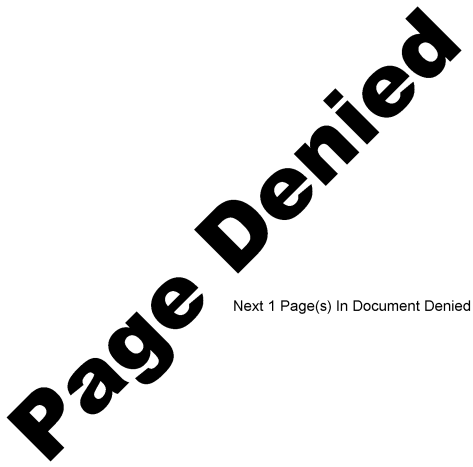

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